Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/03/2018 11:09 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126175	0	2.05	126230	2.01
Blue	F	SSC	125000	124228	-1	1.65	124878	1.66
Blue	E	FITC	15760	15266	-4	2.94	328	22.91
Blue	D	PE	25880	25438	-2	1.97	552	17.02
Blue	B	PerCP-Cy5-5	34075	33962	-1	4.15	1039	22.93
Blue	A	PE-Cy7	22776	22951	0	7.51	551	45.50
Red	C	APC	42488	41445	-3	2.74	1563	13.34
Red	A	APC-Cy7	24478	24049	-2	2.85	830	12.99
Violet	B	V450	6304	6065	-4	4.14	352	17.78
Violet	A	V500	26005	25112	-4	3.60	590	13.52

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20958	9.07	610	13	N/A	N/A	Pass
Blue	F	SSC	56931	1.18	579	24	N/A	N/A	Pass
Blue	E	FITC	57	75.94	563	7	0.0152	196	Pass
Blue	D	PE	115	57.86	558	9	0.1209	277	Pass
Blue	B	PerCP-Cy5-5	200	55.34	657	10	0.0072	71	Pass
Blue	A	PE-Cy7	108	111.68	710	13	0.0090	24	Pass
Red	C	APC	370	27.65	602	2	0.0197	97	Pass
Red	A	APC-Cy7	202	28.78	572	1	0.0047	1000	Pass
Violet	B	V450	58	80.21	498	9	0.0271	2693	Pass
Violet	A	V500	88	48.35	515	9	0.0125	1265	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.44	-30.86	0.96
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.41
Red	16.41	13.60 - 20.40	N/A	N/A	30.55	31.25	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 12235

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments